

Policy & Procedure (P&P)

Policy Title :

Administration of Blood during Emergency

Department	Index No.	Scope
Laboratory & Blood Bank	LAB-083	All Blood Bank Staff & Medical staff
Issue Date	Revision NO	Effective Date
1432/10/7	3	1440/07/23
Review Due Date	Related Standard NO.	Page Number#
1442/07/23	CBAHI (LB 56 & LB 68)	3

01. Policy:

- 01.1. During emergency situations the Blood Bank can release uncross-matched or partially cross-matched blood.
- 01.2. During extreme emergency situations the Blood Bank can release incompletely tested blood or blood components.

02. Definition :

- 02.1. N/A

03. Purpose :

- 03.1. Provision of safe and fast blood and blood products to all patients in emergency and critical situations.

04. Procedure :

- 04.1. Issue uncross-matched blood, which should be:
 - 04.1.1. Group O Red Blood Cells if the patient's ABO group is unknown. It is preferable to give Rh-Negative blood if the recipient's Rh type is unknown, especially if the patient is female in the child bearing period.
 - 04.1.2. ABO and Rh compatible, if there have been time to test a current specimen. Previous records must not be used, nor should information be taken from other records such as cards or driving license.
 - 04.1.3. Indicate in the cross-match request that compatibility testing was not complete at the time of issue.

- 04.1.4. Begin compatibility tests and complete them. If incompatibility is detected at any stage of testing, the patient's physician and the blood bank physician should be notified immediately.
- 04.2. When blood released before pre-transfusion testing is complete, the records must contain a signed statement of the requesting physician indicating that the clinical situation is sufficiently urgent to require release of blood.
- 04.3. Emergency release of blood components without NAT testing:
- 04.3.1. For urgent use only.
 - 04.3.2. Approved only for a particular patient and one transfusion event.
 - 04.3.3. The requesting physician must sign in the patient records that he accepted the transfusion of blood without NAT testing due to the emergency lifesaving status of the patient.
 - 04.3.4. Upon the discretion of the medical director of the transfusion medicine, the agreement of the attending physician and the consent of the patient or next of kin.
 - 04.3.5. The label and the receipt of Blood component issued clearly identifies that the unit of blood component is not tested for NAT or test result is not known at the time of issue.
 - 04.3.6. NAT testing is completed and the result of NAT testing is sent to the treating physician and the blood bank medical director.
- 04.4. **PROCEDURE:**
- 04.4.1. Request a recipient blood sample, if one has not been provided, before issuing blood component(s).
 - 04.4.2. Perform a blood bank history check to determine if the recipient has any previous red cell antibodies identified, requires special products or any other special transfusion requirements are necessary. If Health Care Number or MCP is unknown, issue O Negative red cells and AB plasma.
 - 04.4.3. When time permits, perform ABO/Rh group on recipient's sample and issue group specific or group compatible blood components.
 - 04.4.4. If unable to perform ABO/Rh group prior to release of blood components, issue group O red cells and group AB plasma. Issue Rh(D) negative red cells to children and women of child bearing age.
 - 04.4.5. Remove a segment from red cell unit(s) for further compatibility testing.
 - 04.4.6. Attach an 'Uncrossmatched Blood' label to the red cell unit(s).
 - 04.4.7. Complete Emergency Issue form listing the donor unit(s) issued before pre-transfusion testing is complete.
 - 04.4.8. Emergency issue unit(s).
 - 04.4.9. Finish pre-transfusion testing.

04.4.10. Inform the attending physician immediately if emergency issued red cell unit(s) subsequently, upon completion of testing, prove to be incompatible.

04.4.11. Attach an 'Uncross matched Blood' label to the red cell unit(s).

05. Responsibilities :

05.1. All Blood Bank Staff of Al-Qunfudah General Hospital.

06. Equipment & Forms

06.1. Cross-matching and blood returned Form

07. Attachment :







07.1. N/A

08. Reference

08.1. Frances K. Widmann, ed; The Technical manual of the American Association of Blood Banks, 8th edition, Philadelphia, USA 1981 pp 177-183.

08.2. The standard policy for Blood Banks in the kingdom of Saudi Arabia 2014

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